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(54) NOVEL KETO ACID AMIDE DERIVATIVE

(57) Abstract:

NEW MATERIAL: A compound of formula I [X is peptide residue or amino acid residue (functional group is protected), H, amino-protecting group; Y is peptide residue or amino acid residue (functional group is protected); R is phenyl-lower alkyl or naphthyl-lower alkyl (substituted with halogen, lower alkyl, etc.,)] or a salt thereof.

EXAMPLE: (3RS)-3-tert.-Butyloxycarbonylamino-2-oxo-4-(O-methoxyphenyl) butanoyl-D-leucyl-valine benzyl ester.

USE: A medicine. The compound of formula I exhibits an inhibitory activity against a chymotrypsin-like protease.

PREPARATION: A compound of formula III obtained from a compound of formula II (P is the protecting group of the amino group) by a conventional synthetic method is oxidized with an oxidizing agent such as pyridine-trifluoroacetic acid to provide the compound of formula I.

